



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

KARR et al.

Serial No.: 09/820,584

Filed: March 28, 2001

Atty. File No.: 1004-1

For: "LOCATING A MOBILE  
STATION USING A PLURALITY OF  
WIRELESS NETWORKS AND  
APPLICATIONS THEREFOR"

Group Art Unit: 3662

Examiner: Dao L. Phan

**INFORMATION DISCLOSURE  
STATEMENT**

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DATE OF DEPOSIT: Dec - 16, 2003

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED  
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TYPED OR PRINTED NAME: AIMEE THURK  
SIGNATURE: Aimee Thuerk

Assistant Commissioner for Patents  
Washington, D. C. 20231

Sir:

The references cited on attached Form PTO-1449 are being called to the attention of the Examiner.

Copies of the cited references:

☒ Are enclosed herewith.

☐ Are not enclosed, in accordance with 37 C.F.R. 1.98(d), because the references were  
submitted to the U.S. Patent and Trademark Office in prior application Serial No. \_\_\_\_\_  
\_\_\_\_\_ filed \_\_\_\_\_, which is relied upon for an earlier filing date under 35  
U.S.C. § 120

☐ To the best of applicants' belief, the pertinence of the foreign-language references are  
believed to be summarized in the attached English abstracts and in the figures, although applicants do not  
necessarily vouch for the accuracy of the translation.

☒ Examiner's attention is drawn to the following co-pending applications, copies of which have  
been or will be submitted (however, in some cases if the specification is identical, only the pending claims will  
be submitted):

Serial No.09/194,367	filed	Nov. 24, 1998 (docket no. 1003-PUS)
Serial No.09/770,838	filed	Jan 26, 2001 (docket no. 1003-1)
Serial No.10/262,413	filed	Sept. 30, 2002 (docket no. 1003-2)
Serial No.10/262,338	filed	Sept. 30, 2002 (docket No. 1003-3)

Serial No.09/176,587	filed	Oct. 21, 1998 (docket no. 1005-DJD)
Serial No. 10/297,449	filed	Dec. 5, 2002 (docket no. 1010-PUS)
Serial No. 10/337,807	filed	Jan. 6, 2003 (docket no. 1011)

Submission of the above information is not intended as an admission that any item is citable under the statutes or rules to support a rejection, that any item disclosed represents analogous art, or that those skilled in the art would refer to or recognize the pertinence of any reference without the benefit of hindsight, nor should an inference be drawn as to the pertinence of the references based on the order in which they are presented. Submission of this statement should not be taken as an indication that a search has been conducted, or that no better art exists.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application and the references made of record therein.

#### FEES

<input checked="" type="checkbox"/>	<p><b>37 CFR 1.97(b):</b> No fee is believed due in connection with this submission, because the information disclosure statement submitted herewith is satisfies one of the following conditions ("X" indicates satisfaction):</p> <p><input type="checkbox"/> Within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d), or</p> <p><input type="checkbox"/> Within three months of the date of entry into the national stage of an international application as set forth in 37 CFR 1.491 or</p> <p><input type="checkbox"/> Before the mailing date of a first Office Action on the merits, or</p> <p><input checked="" type="checkbox"/> Before the mailing of a first Office action after the filing of a request for continued examination under 37 CFR 1.114.</p> <p>Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p>
<input type="checkbox"/>	<p><b>37 CFR 1.97(c):</b> The information disclosure statement transmitted herewith is being filed after all the above conditions (37 CFR 1.97(b)), but before the mailing date of one of the following conditions:</p> <p>(1) a final action under 37 C.F.R. 1.113 or</p> <p>(2) a notice of allowance under 37 C.F.R. 1.311, or</p> <p>(3) an action that otherwise closes prosecution in the application.</p> <p>This Information Disclosure Statement is accompanied by:</p> <p><input type="checkbox"/> A Certification (below) as specified by 37 C.F.R. 1.97(e). Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p> <p style="text-align: center;">OR</p> <p><input type="checkbox"/> A check in the amount of \$180.00 for the fee set forth in 37 C.F.R. 1.17(p) for submission of an information disclosure statement. Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970.</p>

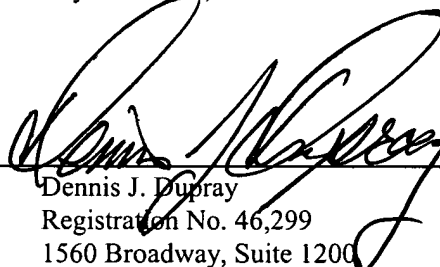
<input type="checkbox"/>	<p><b>37 CFR 1.97(d):</b> This Information Disclosure Statement is being submitted after the period specified in 37 CFR 1.97(c).</p> <p style="padding-left: 40px;"> <input type="checkbox"/> This information Disclosure Statement includes a Certification (below) as specified by 37 C.F.R. 1.97(e)         </p> <p style="text-align: center;">AND</p> <p style="padding-left: 40px;"> <input type="checkbox"/> Applicants hereby requests consideration of the reference(s) disclosed herein. Enclosed is the fee in the amount of \$180.00 under 37 C.F.R. 1.17(p). Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970. Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970. Election to pay the fee should not be taken as an indication that applicant(s) cannot execute a certification.         </p>
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**Certification (37 C.F.R. 1.97(e))**  
(Applicable only if checked)

- ☐ The undersigned certifies that:
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(1).
    - ☐ A copy of the communication from the foreign patent office is enclosed.
- OR
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(2).

Respectfully submitted,

By:

  
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Date: Dec. 15, 2003

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
1004-1SERIAL NO.  
09/820,584INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)APPLICANT  
Karr et al.FILING DATE  
March 28, 2001GROUP ART  
3662

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	AA	6,549,130	4/15/03	Joao	340	539	
	AB	6,381,464	4/30/02	Vannucci	455	456	
	AC	6,330,452	12/11/01	Fattouche et al.	455	456	
	AD	6,243,587	6/5/01	Dent et al.	455	456	
	AE	5,917,405	6/29/99	Joao	340	426	
	AF	5,594,425	1/14/97	Ladner et al	340	825.06	
	AG	5,563,931	10/8/96	Bishop et al.	379	59	
	AH	Application No. 10/337,807		Dupray			1/6/03
	AI	Application No. 10/297,449		Dupray			12/6/02

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	AJ	WO 94/11853 ✓	5/26/94	PCT	G08G 1	0968		

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SHEET 2 OF 2

FORM PTO-1449 DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 1004-1	SERIAL NO. 09/820,584
	APPLICANT Karr et al.	
	FILING DATE March 28, 2001	GROUP ART 3662

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AK	Schopp, Michael, "User Modelling and Performance Evaluation of Distributed Location Management for Personal Communications Services," Proceedings of the 15 <sup>th</sup> International Teletraffic Congress (ITC) 15, Washington, D.C., 1997, S. 23-34. ✓
	AL	Kennemann, Olrik, "Continuous Location of Moving GSM Mobile Stations by Pattern Recognition Techniques," Fifth IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC '94), pp. 630-634, IEEE, Sept. 1994. ✓
	AM	Smith, et al., "Passive Location of Mobile Cellular Telephone Terminals," pp. 221-225, IEEE, 1991. ✓

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	